Message

From: Washington, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FDC3E8CE9F1D45C4894881FF420CA104-WASHINGTON, JOHN]
Sent: 10/7/2019 12:17:01 AM
To: Stevens, Caroline [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dfd9eb36db0a44eaa6cabf85f3cf0550-Stevens, Caroline]
Subject: Schedule Monday

Hi Caroline,

Unless you object **Ex. 6 Personal Privacy (PP)** Be at the lab Monday PM.

Thanks!
John

From: Washington, John
Sent: Sunday, October 6, 2019 8:13 PM
To: Rosal, Charlita <rosal.charlita@epa.gov>; McCord, James <mccord.james@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Bergman, Erica <erica.bergman@dep.nj.gov>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Davis, Mary J. <davis.maryj@epa.gov>; Washington, Benjamin <Washington.Benjamin@epa.gov>
Subject: Draft on Monday (?) and meeting on Wednesday?

Hi all,

I hope to have a new draft to you Monday afternoon. If I get you a draft on Monday, I hope a quorum can conference at 1 to as late as 2:30 on Wednesday (or Thursday if Wednesday doesn't work) - to end early if discussion allows. If we can agree that remaining (more aesthetic) editing might be done concurrently with EPA clearance review, I can submit on Wednesday or Thursday to start the long EPA clearance process. If further work is necessary, it will have to wait until after I return from annual leave.

Mark, Can you get me a clean mass spectrum graph of the Bormida River sample? It would be best if you left labeling in your current terminology e.g., "0 ethyl 1 propyl" etc. But change the last-eluter designation to "0 ethyl 2 propyl." Is the full name of "from the Bormida di Spigno river, downstream of Solvay Specialty Polymers Italy S.p.A. (Spinetta Marengo AL, Italy)" correct enough? Do you know if we need to add an author yet?

Haile, I incorporated details of your algorithm in figure captions.

Andy, I moved the isomer discussion to the Supplemental Material - in desperate effort to find word-count space.

Erica and Sandra, Good news! I was wrong in my recollection of relative homologue mobilities in soil. C9 evidently can be much more mobile in soil than C11 and C13. As evidence, I paste below a graph of my earlier paper showing ratios of deep soil/surface soil of C9, C11 and C13 reflecting a much higher ratio for C9 than C11 and C13. Based on this, for our NJ data I plotted the ratio of the (mobile C9)/(immobile C11+C13) as a function of the (mobile 0,1 congener)/(sum of larger less-mobile congeners). Very strong relationship,

probably reflecting effect of environmental mobilities of C9 and the 0,1 congener. So what we see for PFCAs and and ClPFPECAs in our samples is a function of (product composition, atmospheric sorting, environmental mobility after deposition in soil, time to leach), a complex amalgam yielding ratios subject to gross deviation from original product.

I worked hard to be economical and descriptive on the Intro material. I am hoping Intro might be massaged after we firm up word count of essential substantive material and concurrently with EPA clearance.

Thanks all,
John

From Decatur AL, note especially Mid depth/surface (a):

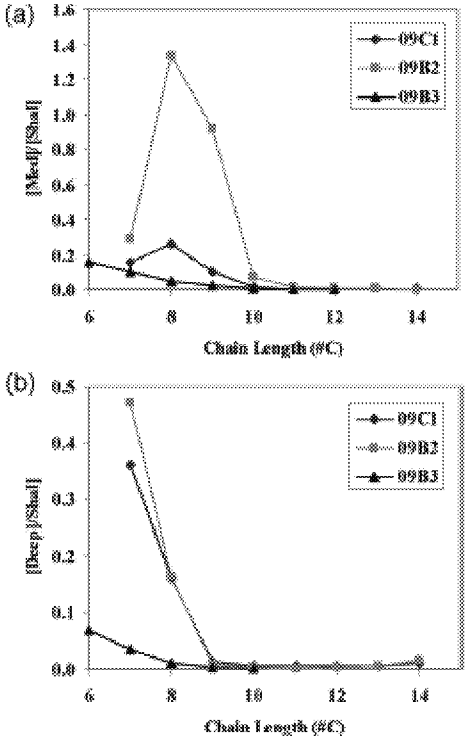
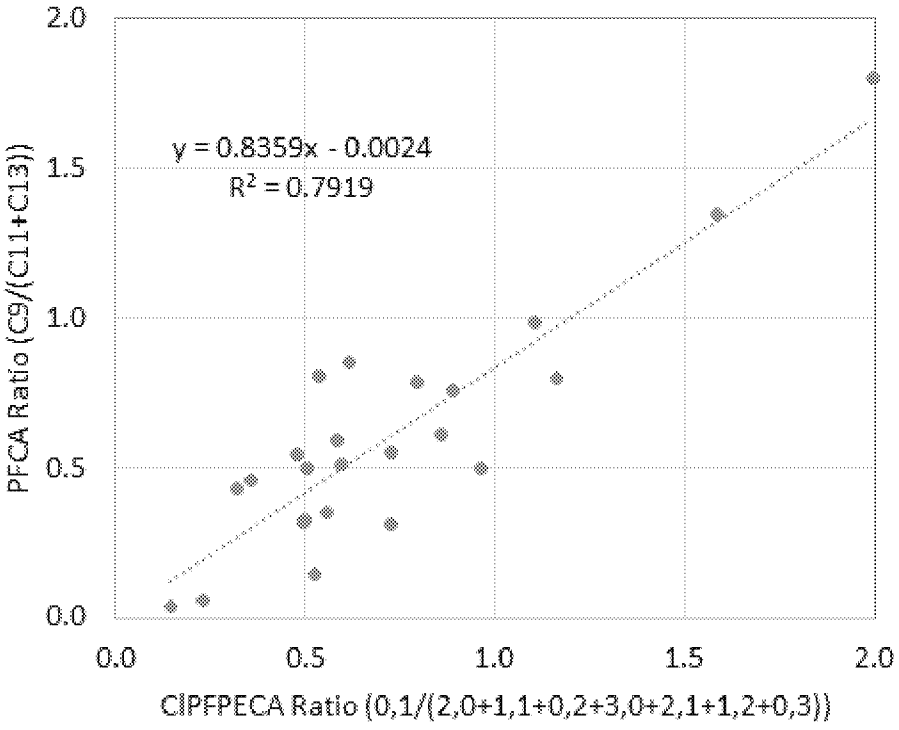


FIGURE 4. (a) [PFA] ratio (mid-depth/surface) at three sample locations. (b) [PFA] ratio (deep/shallow) at three sample locations. See text for discussion.

For our NJ soil data (mobile/less mobile) ratios for two chemical families:


y = 0.8359x - 0.0024
R² = 0.7919
PFCA Ratio (C9/(C11+C13))
ClPFPECA Ratio (0,1/(2,0+1,1+0,2+3,0+2,1+1,2+0,3))
0.0
0.5
1.0
1.5
2.0